

Title (en)
PHOTOSENSITIVE DETECTION ELEMENT CAPABLE OF DETECTING SPECTRA IN DIFFERENT WAVELENGTHS AT THE SAME TIME

Title (de)
LICHTEMPFFINDLICHES DETEKTIONSELEMENT MIT FÄHIGKEIT ZUR GLEICHZEITIGEN DETEKTION VON SPEKTREN IN VERSCHIEDENEN WELLENLÄNGEN

Title (fr)
ÉLÉMENT DE DÉTECTION PHOTOSENSIBLE CAPABLE DE DÉTECTER DES SPECTRES DANS DIFFÉRENTES LONGUEURS D'ONDE EN MÊME TEMPS

Publication
EP 3528287 B1 20201014 (EN)

Application
EP 17910211 A 20170803

Priority
• CN 2017084387 W 20170515
• CN 2017095896 W 20170803

Abstract (en)
[origin: EP3528287A1] A photosensitive detecting device capable of simultaneously detecting spectra of different wavelengths comprises a first photosensitive chip (3) covered by a first spectral filtering layer (2), the first spectral filtering layer (2) allowing a light with a wavelength in a first range to pass through in response to a reception from the first photosensitive chip (3), and a second photosensitive chip (6) covered by a second spectral filtering layer (5), the second spectral filtering layer (5) allowing a light with a wavelength in a second range to pass through in response to a reception from the second photosensitive chip (6). The photosensitive detecting device has an advantage of simultaneously detecting various spectra of different wavelengths by one independent device.

IPC 8 full level
H01L 27/14 (2006.01); **H01L 25/16** (2006.01); **H01L 27/144** (2006.01)

CPC (source: EP US)
G01J 3/0229 (2013.01 - US); **G01J 3/2803** (2013.01 - US); **H01L 25/041** (2013.01 - US); **H01L 25/042** (2013.01 - EP); **H01L 27/14** (2013.01 - EP US); **H01L 27/144** (2013.01 - EP US); **H01L 27/1443** (2013.01 - US); **H01L 31/02005** (2013.01 - EP); **H01L 31/02162** (2013.01 - US); **H01L 31/02325** (2013.01 - EP)

Cited by
DE202020005992U1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3528287 A1 20190821; **EP 3528287 A4 20190828**; **EP 3528287 B1 20201014**; AU 2017414732 A1 20190530; US 2019288129 A1 20190919; WO 2018209821 A1 20181122

DOCDB simple family (application)
EP 17910211 A 20170803; AU 2017414732 A 20170803; CN 2017095896 W 20170803; US 201716348865 A 20170803